BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

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DETAILED ESTIMATE FOR DEVELOPMENT AND IMPROVEMENTS TO ROADS AND DRAINS IN MAIN ROIAD AND CROSS ROADS OF WARD NO.7 BYTARAYANAPURA.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	644.91	KSRB 2 - 1.1 : Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and after breaking of clods and neatly dressed as per specifications. Specification No.KBS 2.1(a) / 2.3.1 (Page No.5, Item No. 2.1)	cum	159.84	
2	11.41	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead upto 50m and lift of 1.5m complete as per specifications.Specification No.KBS (Page No.6, Item No. 2.15)	cum	2174.04	
3	133.45	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No.4.3)	cum	5070.60	
4	49.41	Providing and constructing granite / trap/ basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.KBS 5.1.13(Page No.23, Item No. 5.6)	cum	4135.32	
5	357.80	KSRB 5.3-3 : Providing and constructing granite / trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.KBS 5.1.13 (Page No.23, Item No. 5.9)	cum	4905.36	

o.	Quantity.	Description	Unit	Rates	
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6	64.80	KSRB 5.4-4 : Providing and constructing granite / trap/ basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing, complete as per specifications. KBS 5.1.13 (Page No.23, Item No. 5.13)	cum	5486.40	
7	1426.60	KSRB 15.1.3 : Providing ruled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No.112, Item No. 15.3)	cum	99.36	
8	148.80	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.6)	sqm	5490.72	
9	56.54	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications.Specification No.KBS 4.1, 4.6 (Page No.13, Item No. 4.11)	cum	6198.12	
10	3.83	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2)	cum	69805.80	

	Quantity.	Description	Unit	Rates	
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11	492.25	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.15, Item No. 4.31)	tonne	306.72	
12	8.82	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.15, Item No. 4.28)	sqm	244.08	
13	14.40	KSRB 4-6.6 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.16, Item No. 4.33)	sqm	913.68	
14	15.12	KSRB 15.3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4 to stone masonry & concrete surface including rounding off corner wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Page No.110, Item No. 15.19)	sqm	239.76	
15	1034.10	Providing and stacking semi polished Sadarahalli slabs of approved quality with all faces track and without any banishes and of uniform colour and shade of size 7.50 cm thick with machine cutting of all the four sides and all jointes should be tapper the work includes cost of all material hire charges of machines cost of labour charges with all lead and lift and all other incidental charges with whole work should be carried out as per direction	sqm	2520.00	
16	46.80	Providing and laying Pre Cast slab using 20mm and downsize graded course aggregate stone using clean sieved approved sand including cost and conveyance of all materials all lead and lift, labour charges of machinery etc., complete of 23 cm thick RCC M-20 (inclusive of cost of steel and fabrications charges) compelte as per specifications and directions of the Engineerin charge (Data rate copy enclosed)	sqm	4402.79	
17	1341.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm (Page No.25, Item No. 5.29.1)	sqm	373.68	

	Quantity.	Description	Unit	Rates	
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18	256.29	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. (Page No.120, Item No. 15.80)	each	27.00	
19	256.29	KSRB 15-19.2 : Providing and applying spary painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materiasl, labour, complete as per specifications. (Page No.121, Item No.15.81)	sqm	68.04	
20	35.00	Providing and fixing M S Gratings 260 x 260mm (Page No. VIII , Sl. No.237, Code No.0771)	sqm	89.00	
21	73.00	Fabricating providing and erecting in position Hot dip galvanized sq.hollow poles of 132x132 heavy gauge of length 3000mm with MS.,Hot dip galvanised grill work as per approved design & drawing of chief arachitect. Using 75x12mm galvanised flat for alround frame and 20x20mm galvanised forged design with square rod vertical at 150mm c/c as shown in the drawing incuidng proviidng forged oirnamental arrow head at top and bottom. the work is inclusive of throughing flat square road placing welding al the joints including grinding finishing metal patti and painting 2 coars of anticorrosive paint over one coat of metal primer. the rate of inclusive of all materials like Ms halow galvanised ipe flats, forged square road, cost of labour for all litems of work. cost of painting welding, cutting grinding with all lead lift and as per specification inclluding loaidng and unloading with cost and conveuance of all materials labour machinery and incidentila charge for the seccessful complete of the work as per directions of the engineer in charge of the work	each	9144.00	

o.	Quantity.	Description	Unit	Rates	
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22	18.60	Fabricating providing and erecting in position Hot dip galvanized gate using 72x72x48mm sqm GI pipe frame with top pipe bending in heavy duty hydraulic ores with sand parking and hot bending to form double arch as per drawing profile , 20mm hot dip galvanized sq rod for verticals at 150mm c/c as shown in the drawing including providing hot dip galvanized forged ornamental design in b/w sq. rods and heads at tip middle ad bottom. Intermediate supports of 75x12mm an 50x12mm and 50x6 mm arch bent to hot dip galvanized flats, the work is inclusive of thronging GI flat GI sq. rods, placing, welding all the joints grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq pipe GI sq rods. GI forged designs etc., heavy duty hinges are made out of 75mm solid sq block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at tow place including cost of labour, painting, erecting charges using hoist pulley cranes with all lead lift loading transportation, unloading scaffolding charges and all other incidental charges for successful completion of the work as per directions of the engineer in charges of the work	sqm	12475.00	
23	644.91	Lead charges for conveying the excavated earth including loading and unloading upto 13 kms as per directions	cum	104.60	

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

" DTS Approved "

Chief Engineer
Yelahanka Zone
Bangalore Mahanagara
Palike
Bangalore 92